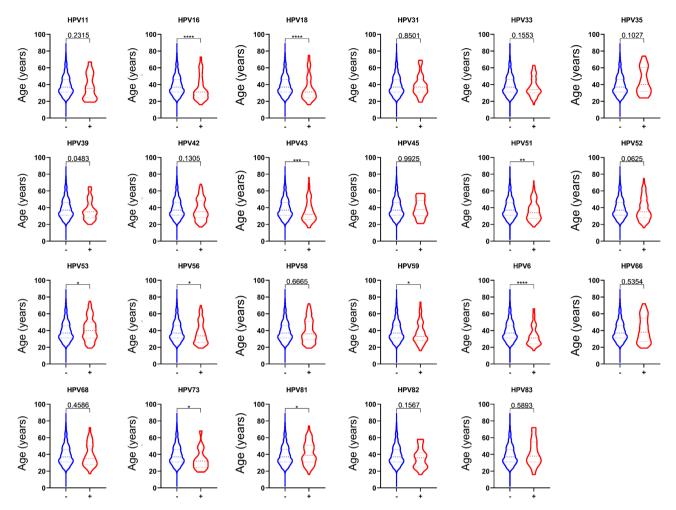
## Supplementary



**Figure S1** Violin plot of the age distribution of patients with different HPV subtypes. \*, P<0.05; \*\*, P<0.01; \*\*\*, P<0.001; \*\*\*\*, P<0.0001. HPV, human papillomavirus.

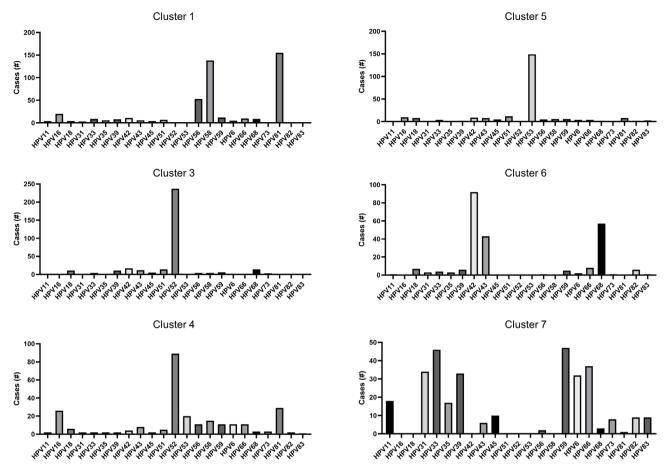


Figure S2 Characteristic HPV subtypes of the infection of different subclusters. HPV, human papillomavirus.